PARTS CATALOG

Castle®

2415-RD
RINSER/DRYER

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GETINGE Castle

PARTS CATALOG 350604 (11/30/95)
Rev. A (11/30/95) New Release
Rev. B (01/31/97) Company name changed to Getinge/Castle, Inc.

Related Publications

Operator Manual	350491
Installation Instructions	350535
Service Manual	350601

ORDERING

For ordering information concerning parts listed in this Catalog, or for questions regarding warranty service and support, contact the company at

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NOTE

The manufacturer's name has changed from MDT Corporation to Getinge/Castle, Inc. Although all publications are being revised to reflect this change, some oversights may occur during the transition. Any references to MDT Corporation or its divisions that may still appear in this publication now apply instead to Getinge/Castle, Inc. The full address and telephone number are on the front and back pages of this manual.

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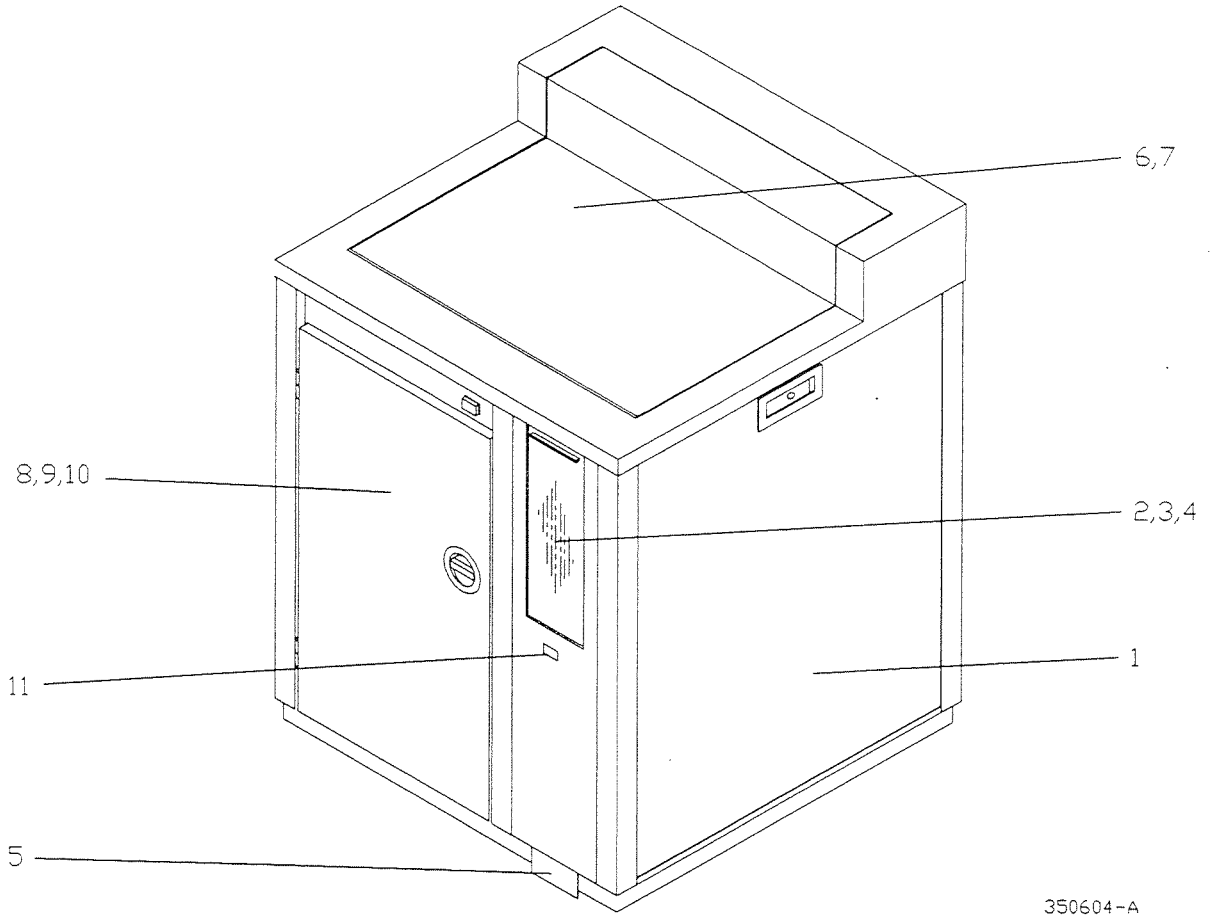

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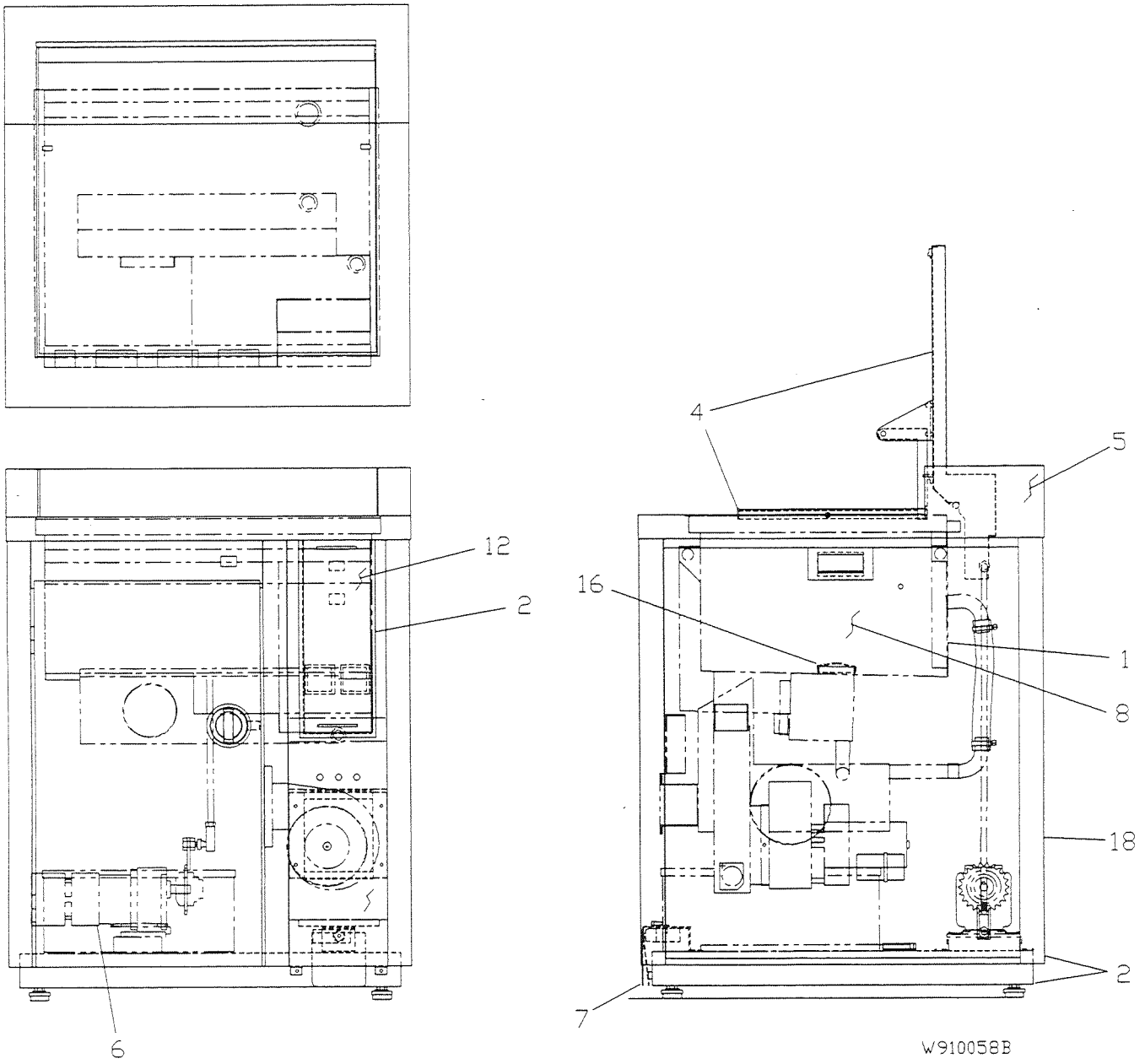

FIGURE 1. RINSER/DRYER COMPONENTS

Rinser/Dryer Components – Refer to Figure 1

ITEM	PART NO.	DESCRIPTION
1	MW910051	Tank, Rinser/Dryer
2	MW900274	Frame, Rinser/Dryer
4	MW900294	Lid & Lift Assembly
		See Figure 6 for listing of parts
5	MW9101201	Cover, Rinser/Dryer
6	MW900323	Motor & Drive Arm Assembly
		See Figure 7 for listing of parts
7	MZ910147	Toe Switch Assembly
		See Figure 5 for listing of parts
8	MZ9002951	Panel, Side
10	—	Label Package
		See Figure 11 for listing of parts
12	MZ910152	Control Panel Assembly
		See Figure 2 for listing of parts
16	MY9100951	Screen, Tank Drain
18	MZ910155	Utility Panel Package
	MZ9101551	Panel, Utility
	E4941	Screw, #10-32 x 3/8 Phillips Pan Head
	E7034	Washer, #10 Helical Spring Lock
20	532095	Piping Package, Deionized Water
		See Figure 8 for listing of parts
21	532094	Piping Package, Rinser/Dryer
		See Figure 8 for listing of parts
31	532136	Electrical Component Package
		See Figure 4 for listing of parts
32	532148	Seismic Anchor Package
	M1010000	Bolt, Seismic Anchor (4-1/2 long)
	E7091	Nut, 1/2-13 Hex
	E7098	Washer, 1/2 Flat
	E2240	Washer, 1/2 Helical Spring Lock
35	MZ910053	Heater/Blower & Control Box Assembly (208V)
	532413	Heater/Blower & Control Box Assembly (220V)
		See Figure 9 for listing of parts
39	532408	Wire Package, 1TB (208V)
	532407	Wire Package, 1TB (220V)
40	532405	Transformer Package
	513792	Transformer, Universal Export
	532406	Bracket, Transformer Mounting
	E6814	Screw, 1/4-20 Hex Head
	E4949	Screw, 1/4-20 x 3/8 Hex Head
	E7023	Washer, 1/4 Flat
	E4671	Washer, 1/4 Helical Spring Lock
	518372	Connector, 13/64 OD Liquid Tight

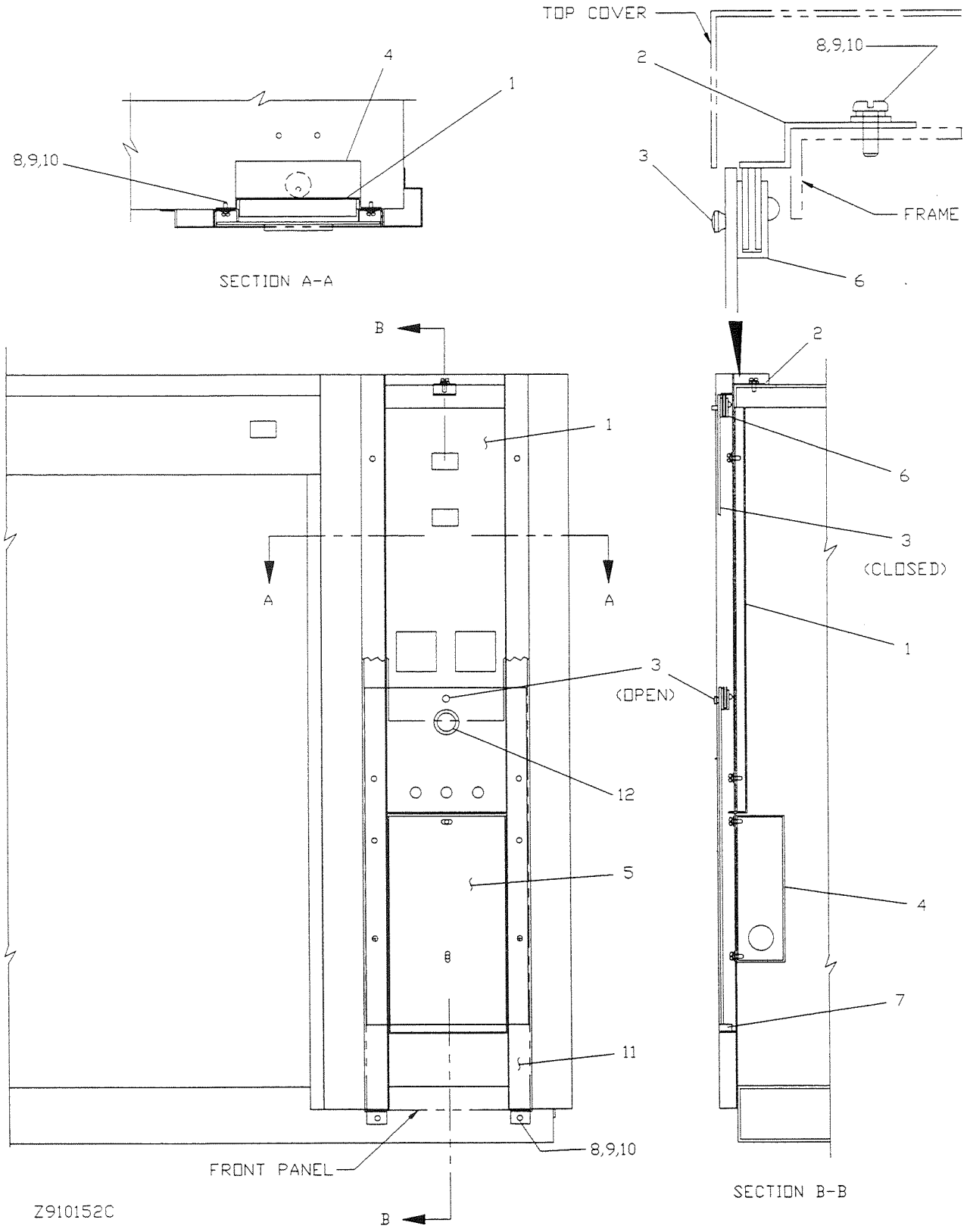

FIGURE 2. CONTROL PANEL ASSEMBLY

Control Panel Assembly – Refer to Figure 2

ITEM	PART NO.	DESCRIPTION
1	MZ9101521	Fuses Panel Assembly See Figure 3 for listing of parts
2	MX900120	Bracket, Latch
3	MZ930036	Window, Control Panel Sliding
4	MZ9101511	Box, Junction
5	MZ9101512	Cover, Junction Box
6	86531	Catch, Magnetic
7	R3892	Gasket, Rubber Seal (specify length)
8	E4941	Screw, #10-32 x 3/8 Phillips Pan Head
9	E7034	Washer, #10 Helical Spring Lock
10	E6481	Washer, 7/32 ID x 1/2 OD x 1/16 thick Flat
11	MZ9101142	Panel, Front (with Trim)
12	MX910096	Dampener, Sound

Fuses Panel Assembly – Refer to Figure 3 [Not Illustrated]

ITEM	PART NO.	DESCRIPTION
1	MZ910090	Panel, Fuses
2	536126	Timer, Eagle Signal
3	M2025004	Socket, 8 Pin
4	M2004004	Holder, Fuse
5	M2002030	Switch, Momentary Pushbutton
6	M2002019	Switch, Pushbutton
7	M2024013	Switch, Power Pushbutton
8	M2024010	Switch, Lid Pushbutton
9	M2003053	Fuse, 1-3/4 Amp Fast Blow
10	M2003038	Fuse, 3 Amp Fast Blow
11	M2003040	Fuse, 5 Amp Fast Blow
12	M2025007	Alarm, 120V Intermittent
13	33511	Tie, Cable
14	532135	Wire Package, Fuses Panel

Click Here To View Drawing and Bill Of Material

Electrical Component Package – Refer to Figure 4 [Not Illustrated]

ITEM	PART NO.	DESCRIPTION
1	M2002002	Switch, Door Interlock
2	M2018010	Box, Junction (4 x 2 x 2)
3	M2002001	Switch, Lid Limit
4	M2021140	Connector, 3/4 Romex
5	M2021120	Connector, 1/2 Strain Relief
6	M2021125	Connector, 1/2 Strain Relief
7	08172	Nut, Wire (Two #14 min – Two #10 & One #12 max)
8	M2012009	Gland, Packing
9	532137	Wire Package, Electrical Components

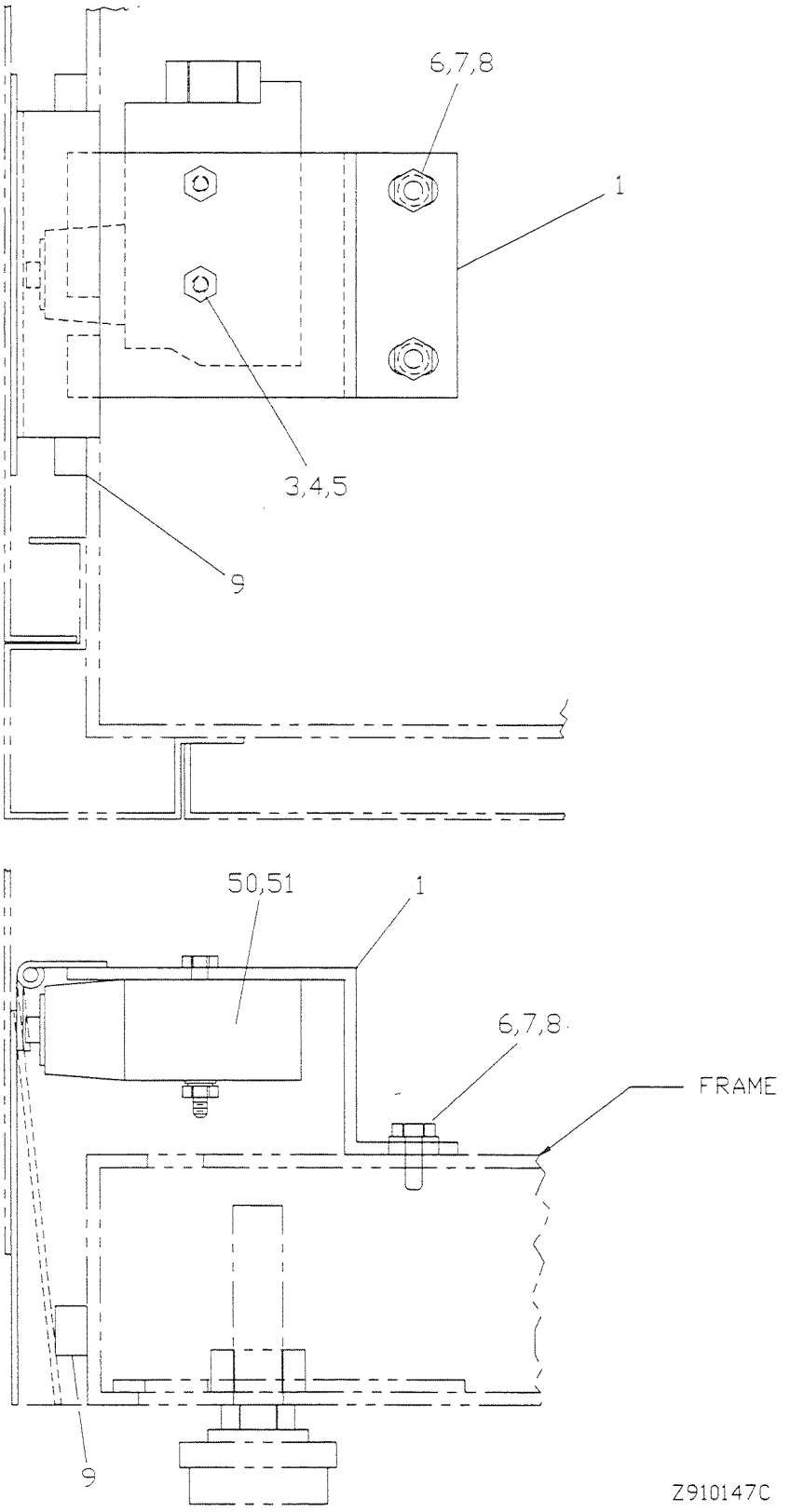

FIGURE 5. TOE SWITCH ASSEMBLY

Toe Switch Assembly – Refer to Figure 5

ITEM	PART NO.	DESCRIPTION
1	532139	Bracket, Toe Switch
3	532064	Screw, #6-32 x 1-1/2 Hex Head
4	E7041	Washer, #6 Helical Spring Lock
5	910242000	Washer, #6 Flat
6	E0108	Screw, 1/4-20 x 5/8 Hex Head
7	E4671	Washer, 1/4 Helical Spring Lock
8	E6478	Washer, 17/64 ID x 5/8 OD x 1/16 thick Flat
9	R3892	Gasket, Rubber Seal (specify length)
50	M2002005	Switch, Toe Micro
51	532129	Wire Package, Toe Switch

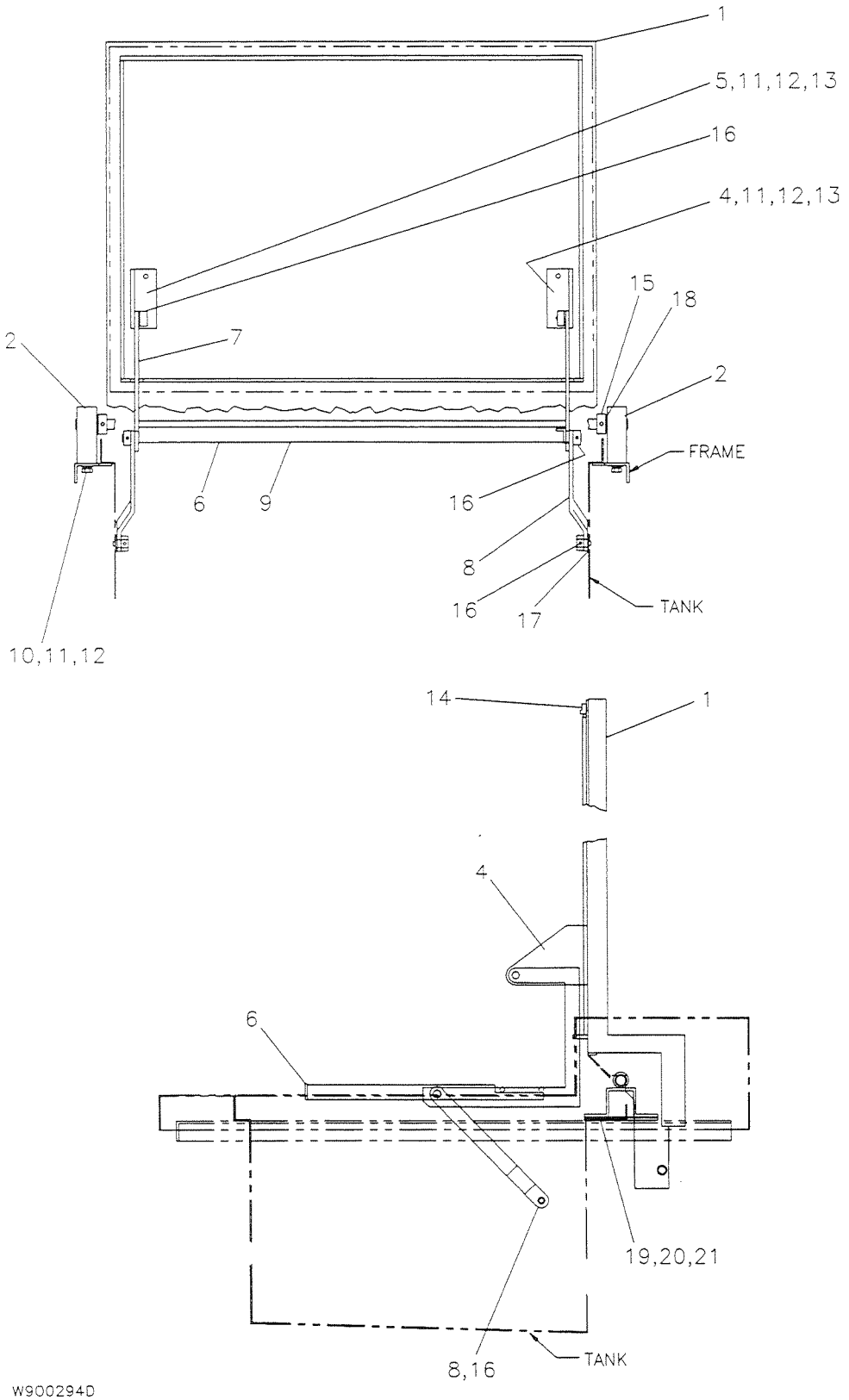

FIGURE 6. LID & LIFT ASSEMBLY

Lid & Lift Assembly – Refer to Figure 6

ITEM	PART NO.	DESCRIPTION
1	MW910078	Lid, Rinser/Dryer
2	MY910274	Block, Lid Bearing
4	MY900258	Bracket, Right Side Lid Lift
5	MY900259	Bracket, Left Side Lid Lift
6	MW9101001	Lift, Front Section
7	MW9100991	Lift, Rear Section
8	MY910119	Arm, Lid Lift
9	MX900110	Rod, Lid Lift
10	532060	Screw, 1/4-20 x 1-1/2 Hex Head
11	E6478	Washer, 17/64 ID x 5/8 OD x 1/16 thick Flat
12	E6471	Washer, 1/4 Helical Spring Lock
13	E7060	Nut, 1/4-20 Acorn
14	R3892	Gasket, Rubber Seal (specify length)
15	66259	Collar, 3/8 ID x 3/4 OD
16	532149	Collar, 1/2 ID x 3/8 long
17	E7100	Washer, 3/8 Flat
18	E7098	Washer, 1/2 Flat
19	MX9101061	Shim, 20 Gauge
20	MX9101062	Shim, 16 Gauge
21	MX9101063	Shim, 12 Gauge

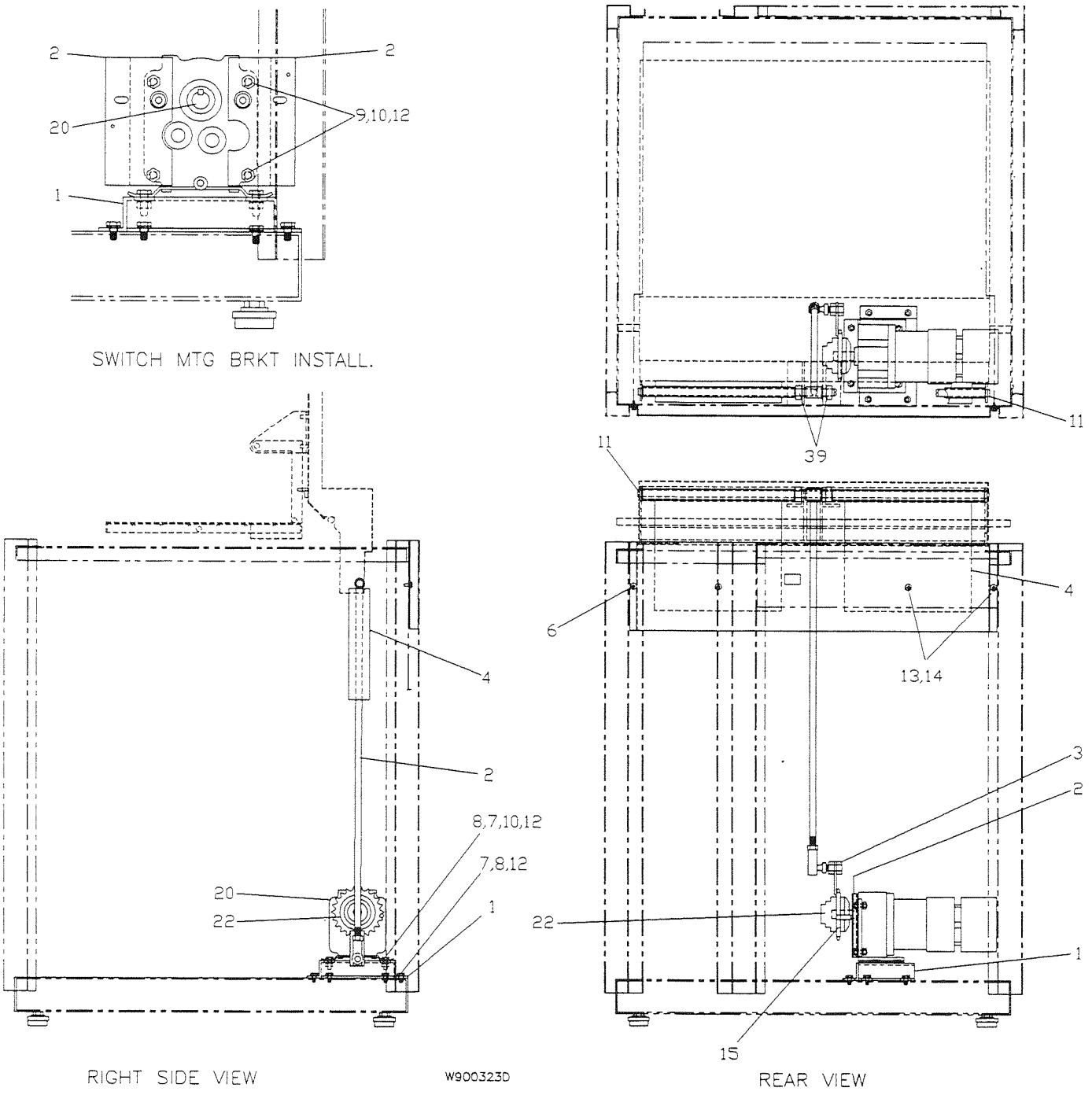

FIGURE 7. MOTOR & DRIVE ARM ASSEMBLY

Motor & Drive Arm Assembly – Refer to Figure 7

ITEM	PART NO.	DESCRIPTION
1	MY900301	Mount, Motor
2	MY910044	Bracket, Switch Mounting
3	MW900314	Arm, Lid Drive
4	MZ9100231	Counterweight, Lid
6	MY910275	Panel, Weight Tie Back
7	E0108	Screw, 1/4-20 x 5/8 Hex Head
8	E6478	Washer, 17/64 ID x 5/8 OD x 1/16 thick Flat
9	E0215	Screw, 1/4-20 x 3/4 Hex Head
10	E2239	Nut, 1/4-20 Hex
11	MX910051	Rod, Counterweight
12	E4671	Washer, 1/4 Helical Spring Lock
13	E4941	Screw, #10-32 x 3/8 Phillips Pan Head
14	16465	Washer, 13/64 ID x 3/8 OD x 1/32 thick Flat
15	M6003004	Bushing
20	M5101005	Gearmotor, 115VAC, 60 Hz
21	M2025008	Brake, Electric (115VAC, 60 Hz)
22	M6003002	Limiter, Gearmotor Torque
39	532149	Collar, 1/2 ID x 3/8 long

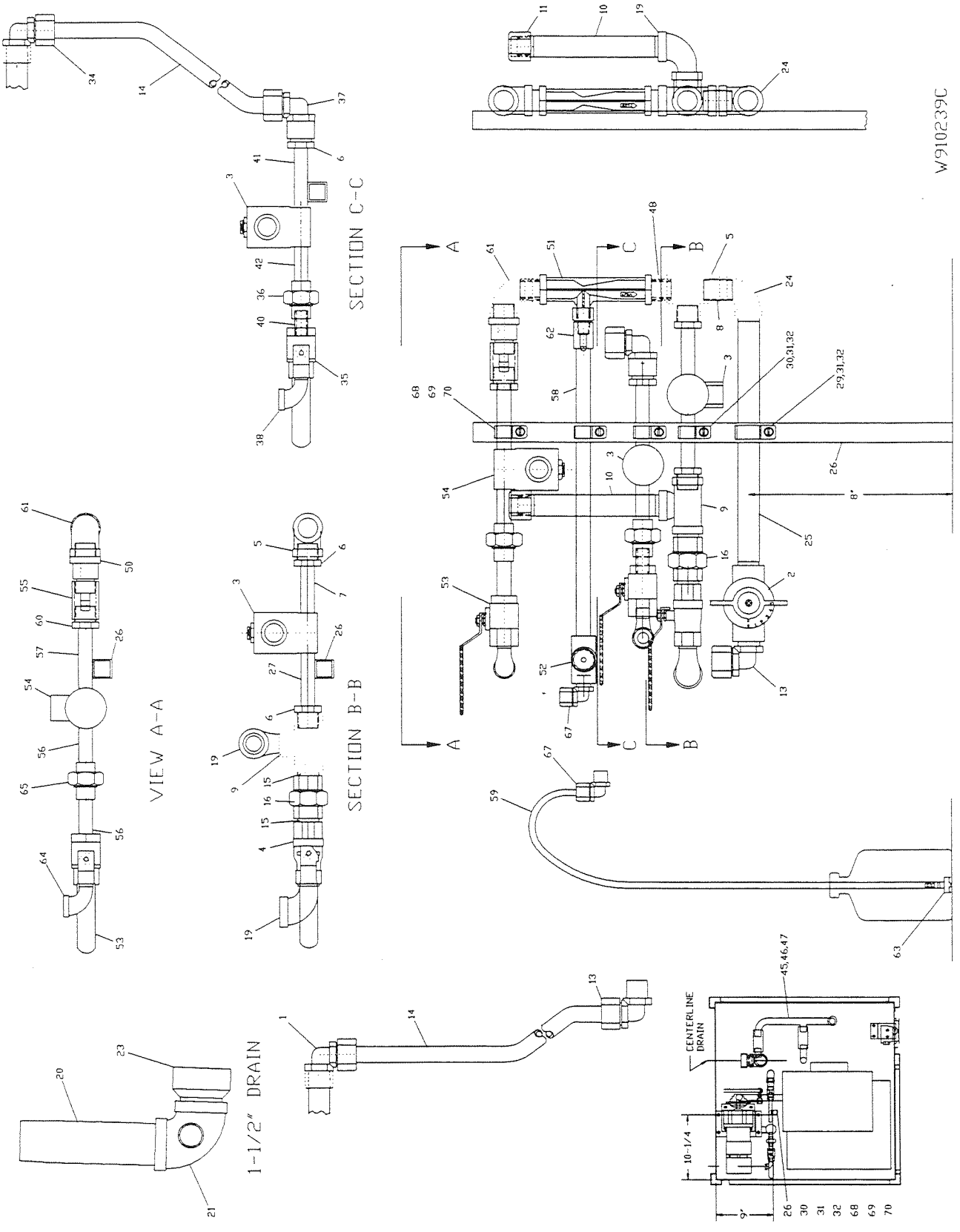

FIGURE 8. PIPING PACKAGE

Piping Package – Refer to Figure 8

ITEM	PART NO.	DESCRIPTION
1	MZ910048	Manifold, Sprayer
2	M3005017	Valve, Metering (1/2 FPT)
3	M3001039	Valve, Solenoid, (1/4 FPT)
4	58945	Valve, Ball (1/2 FPT)
5	71266	Tee, 1/2 FPT
6	68264	Bushing, 1/2 MPT x 1/4 FPT Hex
7	532083	Nipple, 1/4 MPT x 2-1/8 long
8	532085	Nipple, 1/2 MPT x 1-1/8 long
9	12315	Tee, Female, 1/2 FPT
10	12431	Nipple, 1/2 MPT x 6 long
11	38528	Cap, 1/2 FPT Pipe
13	532079	Elbow, 1/2 MPT x 5/8 OD Tubing
14	M3013007	Tubing, 3/8 Clear Neoprene
15	12367	Nipple, 1/2 MPT Close
16	12286	Union, Female, 1/2 FPT x 1/2 FPT
19	12263	Elbow, Street, 1/2 MPT x 1/2 FPT
20	532150	Nipple, 1-1/4 MPT x 6 long
21	MY910354	Fitting Assembly
23	532062	Adapter, 1-1/4 MPT x 1-1/5 PVC
24	45023	Elbow, Female, 1/2 FPT x 1/2 FPT
25	532088	Nipple, 1/2 MPT x 10-3/4 long
26	532328	Bracket, 19 long Mounting
27	532087	Nipple, 1/4 MPT x 2-3/4 long
29	70366	Strap, 3/4 Pipe
30	70365	Strap, 1/2 Pipe
31	E4941	Screw, #10-32 x 3/8 Phillips Pan Head
32	E7034	Washer, #10 Helical Spring Lock
34	MZ910115	Manifold, Conditioning
35	M3002000	Valve, Ball (1/4 FPT)
36	532092	Union, Female, 1/4 FPT x 1/4 FPT
37	532078	Elbow, Plastic, 1/2 FPT x 5/8 OD Tubing
38	532091	Elbow, Street, 1/4 MPT x 1/4 FPT
40	532081	Nipple, 1/4 MPT x 1 long
41	532084	Nipple, 1/4 MPT x 3 long
42	532082	Nipple, 1/4 MPT x 2 long
45	MZ9102611	Manifold, Drain
46	M3013009	Hose, Pressure
47	523386	Clamp, Hose (7/16 OD x 1)
48	532326	Plug, Solid, 1/2-14
50	M3003009	Valve, Check (1/2 FPT)
51	M3023001	Injector
52	M3005021	Valve, Needle (1/4 FPT)
53	M3002000	Valve, Ball (1/4 FPT)

Piping Package – Refer to Figure 8

ITEM	PART NO.	DESCRIPTION
54	M3001039	Valve, Solenoid (1/4 FPT)
55	534158	Coupling, 1/2-14 NPT
56	532082	Nipple, 1/4 MPT x 2 long
57	532084	Nipple, 1/4 MPT x 3 long
58	532093	Nipple, 1/4 MPT x 12 long
59	R3839	Tubing, 1/4 ID x 3/8 OD Clear Plastic (specify length)
60	68264	Bushing, 1/2 MPT x 1/4 FPT Hex
61	45023	Elbow, Female, 1/2 FPT x 1/2 FPT
62	45048	Coupling, 1/4 FPT x 1-1/8 long
63	M9000023	Strainer
64	532091	Elbow, Street, 1/4 MPT x 1/4 FPT
65	532092	Union, Female, 1/4 FPT x 1/4 FPT
67	M3008035	Elbow, Male, 1/4 MPT x 1/4 OD Tubing
68	70365	Strap, 1/2 OD Pipe
69	E4941	Screw, #10-32 x 3/8 Phillips Pan Head
70	E7034	Washer #10 Helical Spring Lock

NOTES

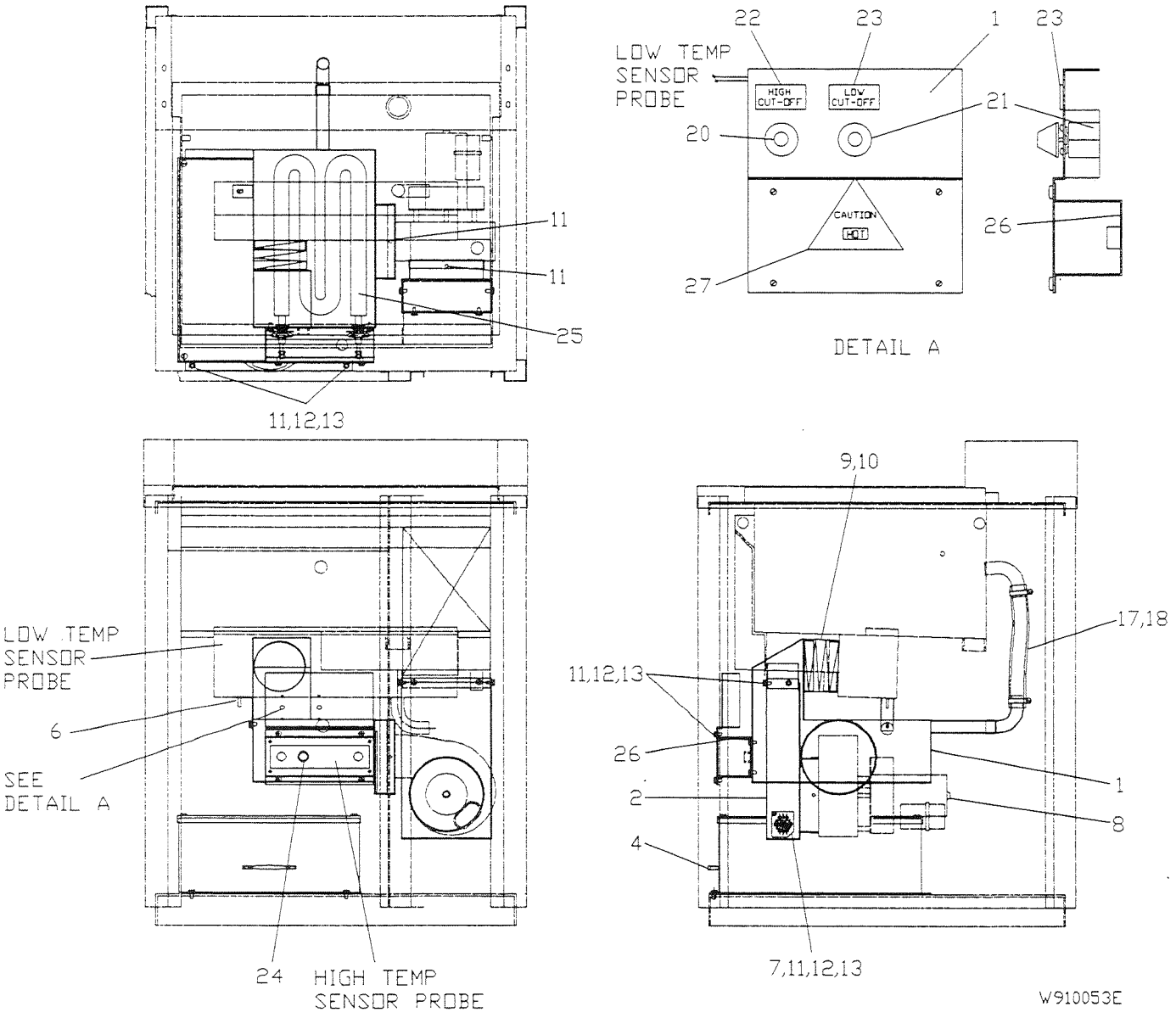

FIGURE 9. HEATER/BLOWER & ELECTRICAL BOX ASSEMBLY

Heater/Blower & Electrical Box Assembly – Refer to Figure 9

ITEM	PART NO.	DESCRIPTION
1	MW9100521	Box, Heater
2	MZ9100501	Duct, Return
4	MZ9101051	Heater Electrical Box Assembly (208V)
	532412	Heater Electrical Box Assembly (220V)
		See Figure 10 for listing of parts
6	MY910110	Bracket, Heater
7	MX910121	Plate, Draft
8	M4001001	Blower, High Temperature
9	R3904	Hose, 4 dia Flexible Exhaust (specify length)
10	74472	Clamp, Worm
11	E4941	Screw, #10-32 x 3/8 Phillips Pan Head
12	E6481	Washer, 7/32 ID x 1/2 OD x 1/16 thick
13	E7034	Washer, #10 Helical Spring Lock
17	M3013009	Hose, Pressure
18	523386	Clamp, Hose (7/16 OD x 1)
19	R3482	Insulation, 48 wide x 3/4 thick (specify length)
20	M2012025	Thermostat, 200–550°F
21	M2012000	Thermostat, 0–250°F
22	536000	Label, High Temperature Cut-Off
23	536001	Label, Low Temperature Cut-Off
24	532499	Cover, Heater
25	M2030012	Heater, 5000W
26	532497	Plate, Thermostat Mounting
27	MX9100612	Label, Hot Surface Caution

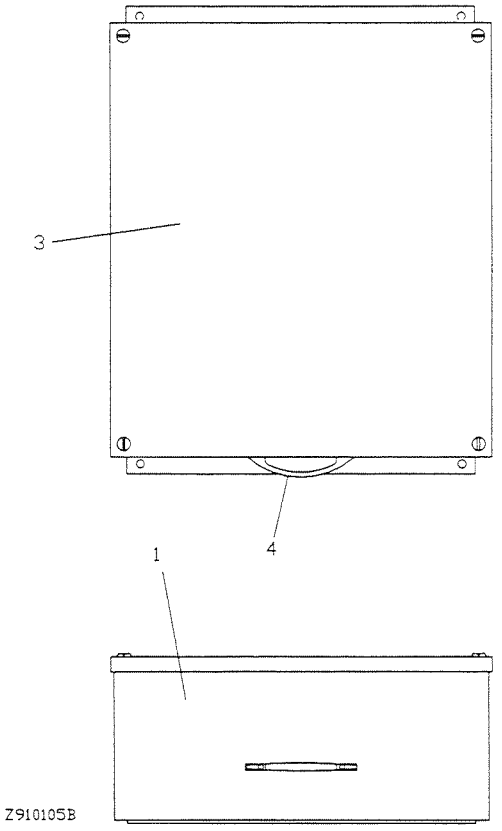

FIGURE 10. HEATER ELECTRICAL BOX ASSEMBLY

Heater Electrical Box Assembly – Refer to Figure 10

ITEM	PART NO.	DESCRIPTION
1	MZ910105	Box, Electrical (Modified)
2	M2006005	Relay, 3PDT
3	M2006007	Socket, 11 Pin
4	M2005004	Socket, 8 Pin
5	M2005001	Timer, 180 Second Delay
6	M2013006	Block, Terminal
7	M2013009	Plate, Terminal Block End
8	532131	Panel, Electrical Box
9	M2013012	Clamp, Screw-On End
10	M2007003	Contactor, 2 Pole
11	M2003012	Fuse, 25 Amp
12	M2004006	Holder, Fuse
13	532121	Rail, Mounting (13-1/2 long)
14	532122	Rail, Mounting (9 long)
15	M2006008	Clip, Relay Mounting
16	532130	Wire Package, 120V Control Box
	532410	Wire Package, 220V Control Box
17	532132	Marker, Terminal Block (L2 –52)
18	532109	Label, 1C Heater Contactor
19	532133	Label, 1CR-8CR/1-2TDR
20	532134	Label, 4F & 5F
21	532115	Strip, Terminal Jumper (BN46F)
22	33511	Tie, Cable
23	E5013	Screw, #6-32 x 3/8 Phillips Pan Head
24	E7059	Washer, 5/32 ID x 3/8 OD x 3/64 thick Flat
25	532138	Elbow, Conduit
26	M7001005	Pull, Oval Handle Drawer

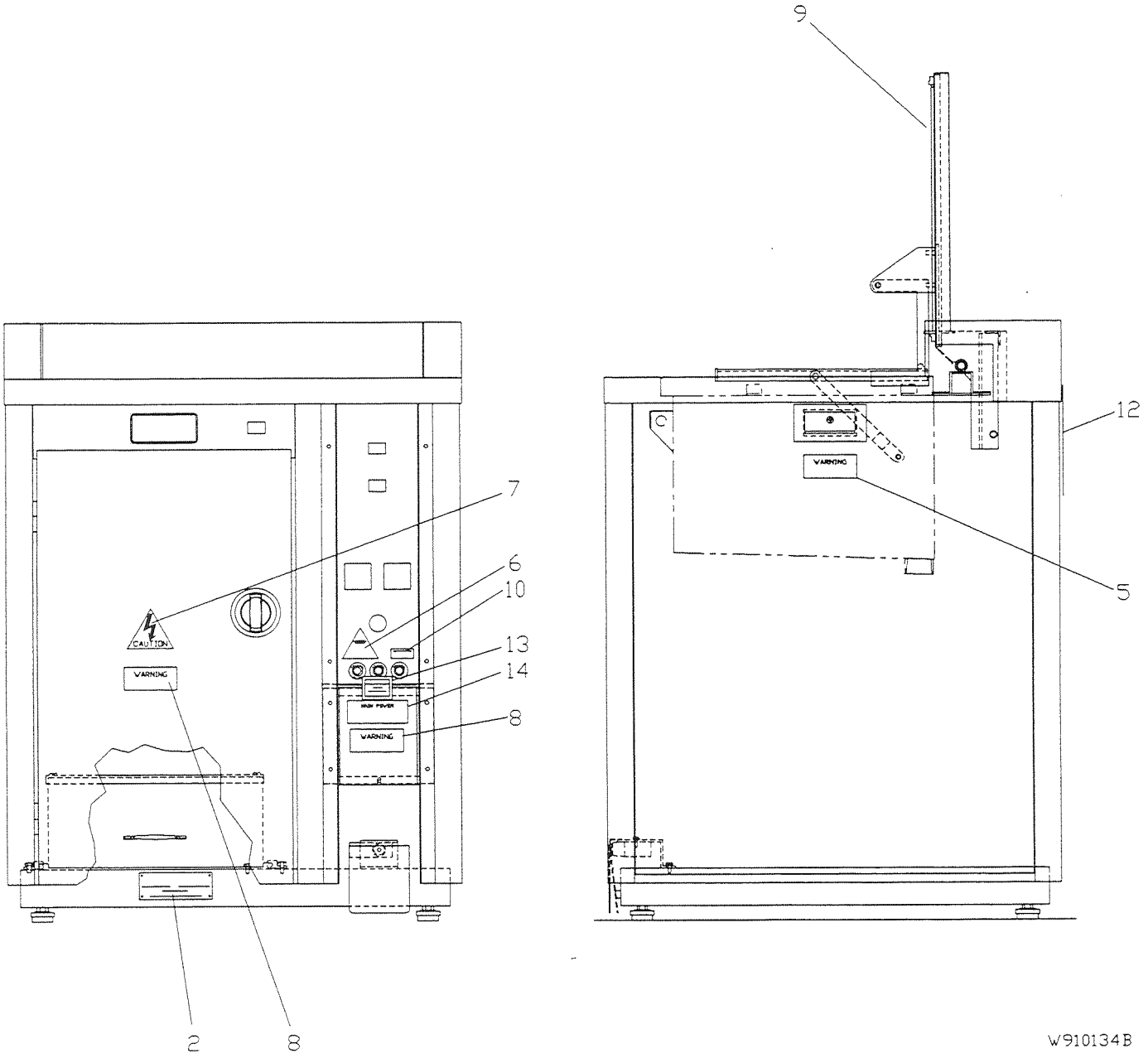

FIGURE 11. LABEL PACKAGE

Label Package – Refer to Figure 11

ITEM	PART NO.	DESCRIPTION
0	513603	Decal, MDT
0	519501	Bezel, Nameplate
0	M2019039	Label, Castle Rinser/Dryer
0	MY9303762	Label, Fuse (1F/5A–250V)
0	MY9303763	Label, Fuse (2F/1.75A–250V)
0	MY9303765	Label, Fuse (3F/3A–250V)
2	—	Plate, Rating
5	MX910062	Label, Turn Off Power Warning
6	MX9100631	Label, Replace 2.5 Amp Fuse Warning
7	MX910064	Label, Shock Hazard Caution
8	MX910065	Label, Turn Off Power Warning
9	MX910066	Label, Automatic Lid Warning
10	MX910098	Label, Risk of Fire Warning
13	MX910161	Label, Fuse Location
14	MX910167	Label, Main Power Location

Recommended Spare Parts

QTY.	PART NO.	DESCRIPTION
2	M2003053	Fuse, 1-3/4 Amp Fast Blow
2	M2003038	Fuse, 3 Amp Fast Blow
2	M2003040	Fuse, 5 Amp Fast Blow
2	M2003012	Fuse, 25 Amp
1	M2030012	Heater, 120VAC, 1000 Watt
1	M2006005	Relay, 3PDT
1	536126	Timer, Eagle Signal
1	M2005001	Timer, 180 Second Delay
1	M3001039	Valve, Supply Solenoid (1/4 FPT)

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